

FIG. 1

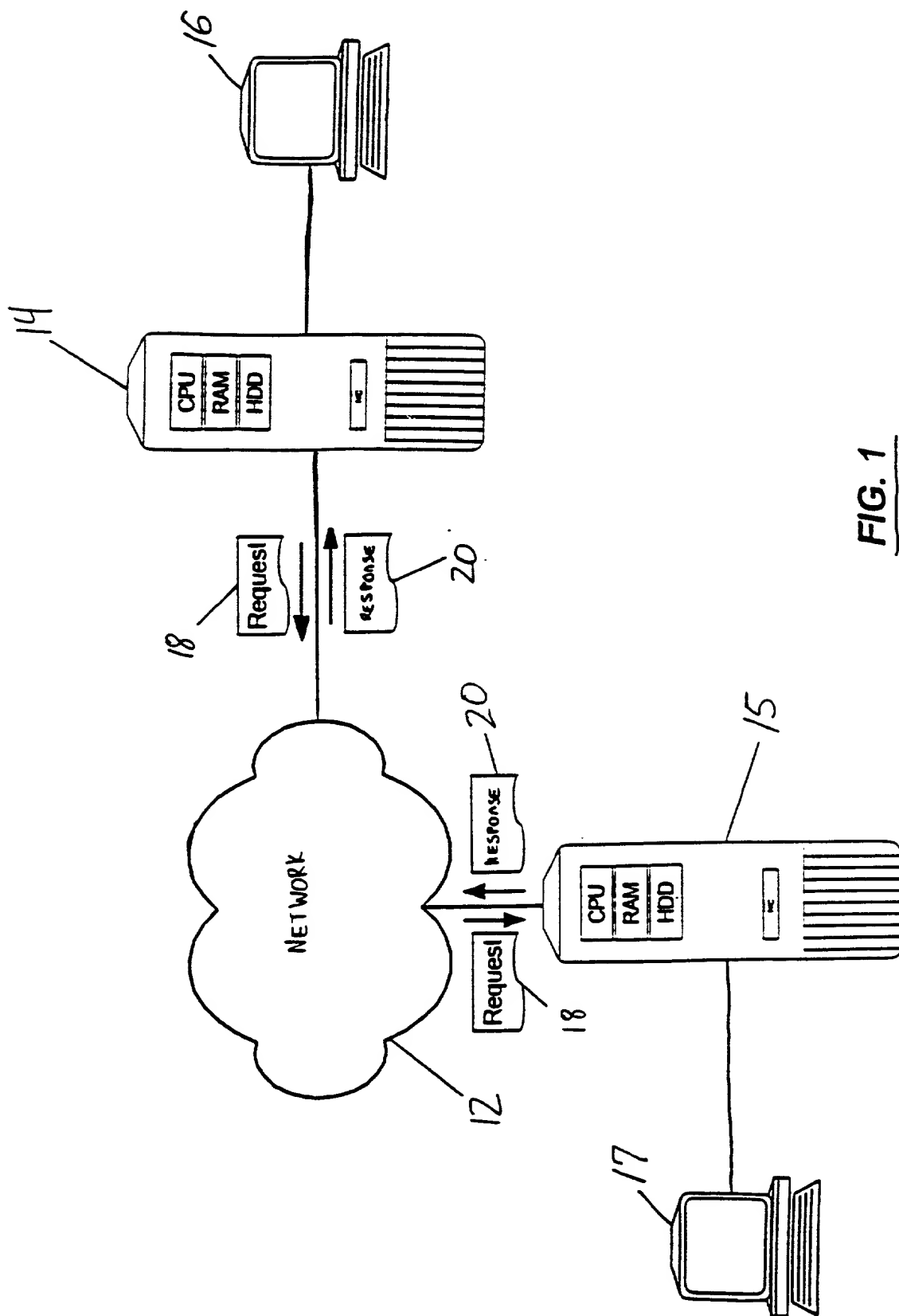


FIG. 1

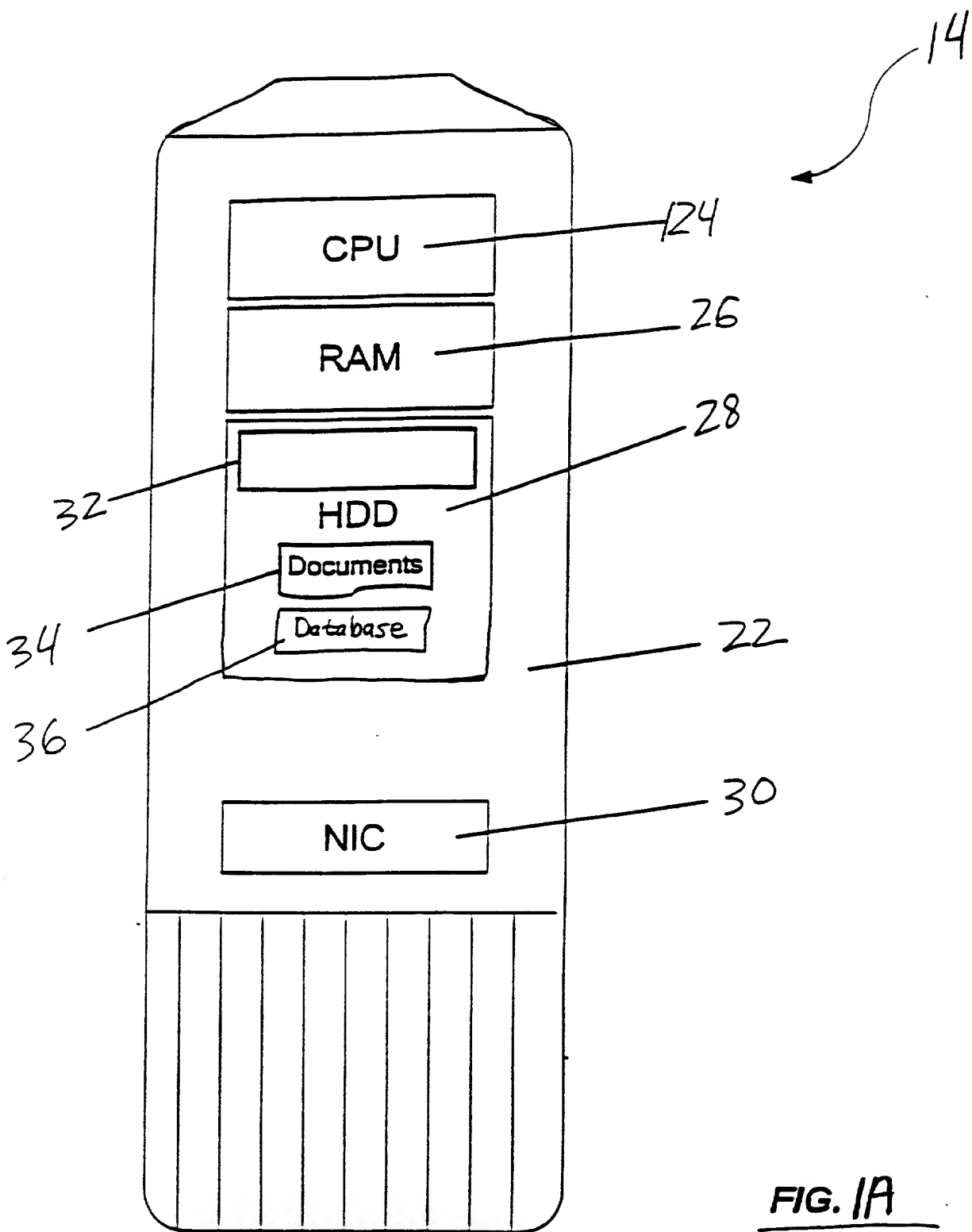
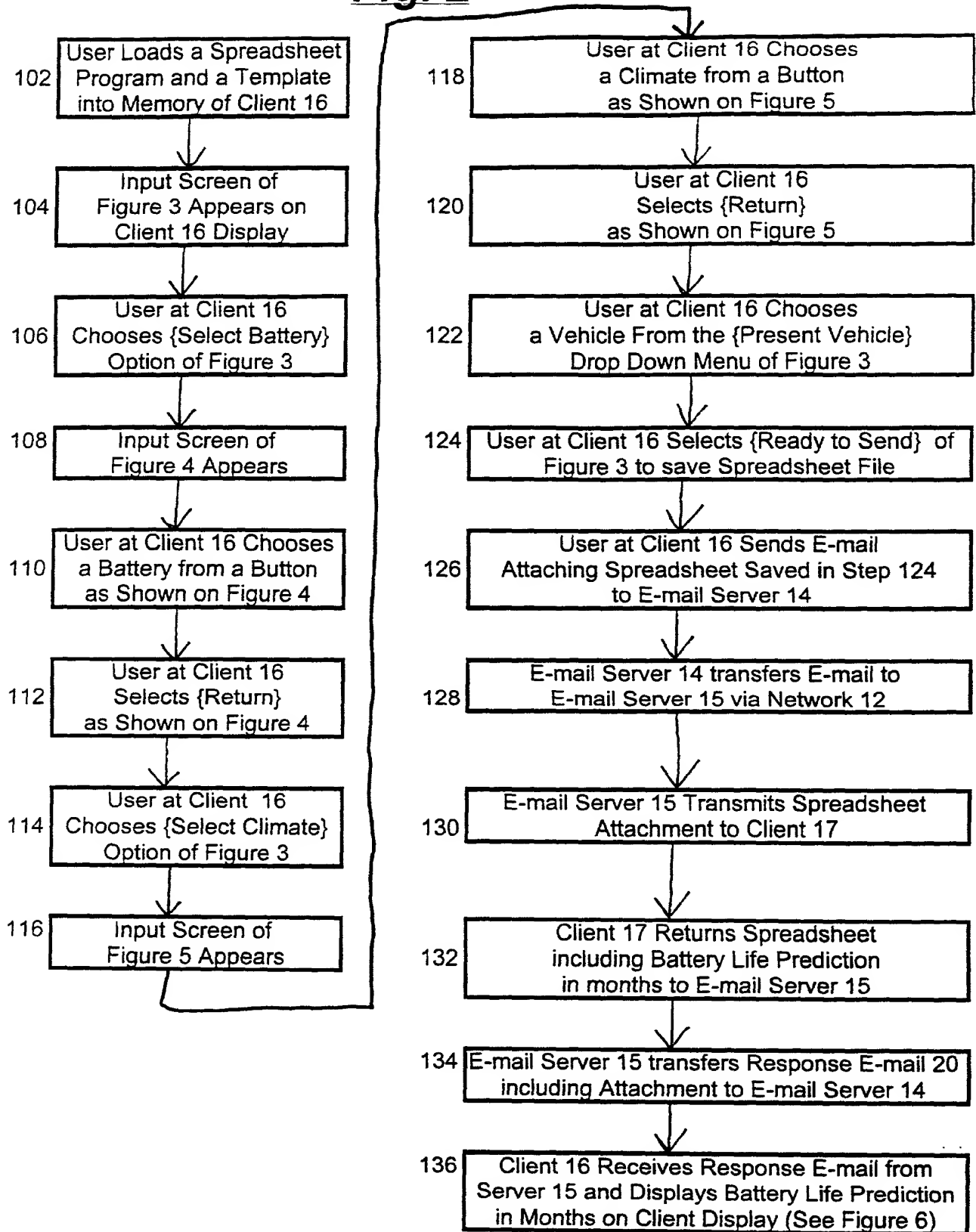


FIG. 1A

Fig. 2



Examples of Life Model Interface

Page #1

	A	B	C	D	E	F	G	H	I
	Push Buttons to Change Input Variables in Life Model								
21	Life Model Projections =>								
22					Life - US Average Driver			months	
23					Life - US Severe Driver			months	
24	Select Battery			Present Battery		Grp 65			
25	Select Climate			Present Climate		Default			
26				Mean Annual Battery Temp				Deg F	
27				Mean Annual Climate Temp			52.5	Deg F	
28				Present Vehicle		Make / Model			
29	Ready to Send								

Examples of Life Model Interface

Page #2

	A	B	C	D	E
1	Battery Selection				
2	Battery now selected =			Grp 65	
3					
4					
5		Return		Return to What-If Page (Fig. 3)	
6					
7		Battery		Grp 65	
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10		Battery 2		Grp 24	
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Examples of Life Model Interface

Page #3

	A	B	C	D	E
14	Driving Regions of the USA				
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Fig. 6

Example of Life Model Output Page

Push Buttons to Change Input Variables in Life Model				
Life Model Projections =>	Life - US Average Driver	86.5	months	
	Life - US Severe Driver	72.9	months	
Select Battery	Present Battery	Grp 65		
	Present Climate	Northern		
Select Climate	Mean Annual Battery Temp.	76.5	Deg F	
	Mean Annual Climate Temp.	48.0	Deg F	
	Present Vehicle	Make / Model		
Ready to Send				

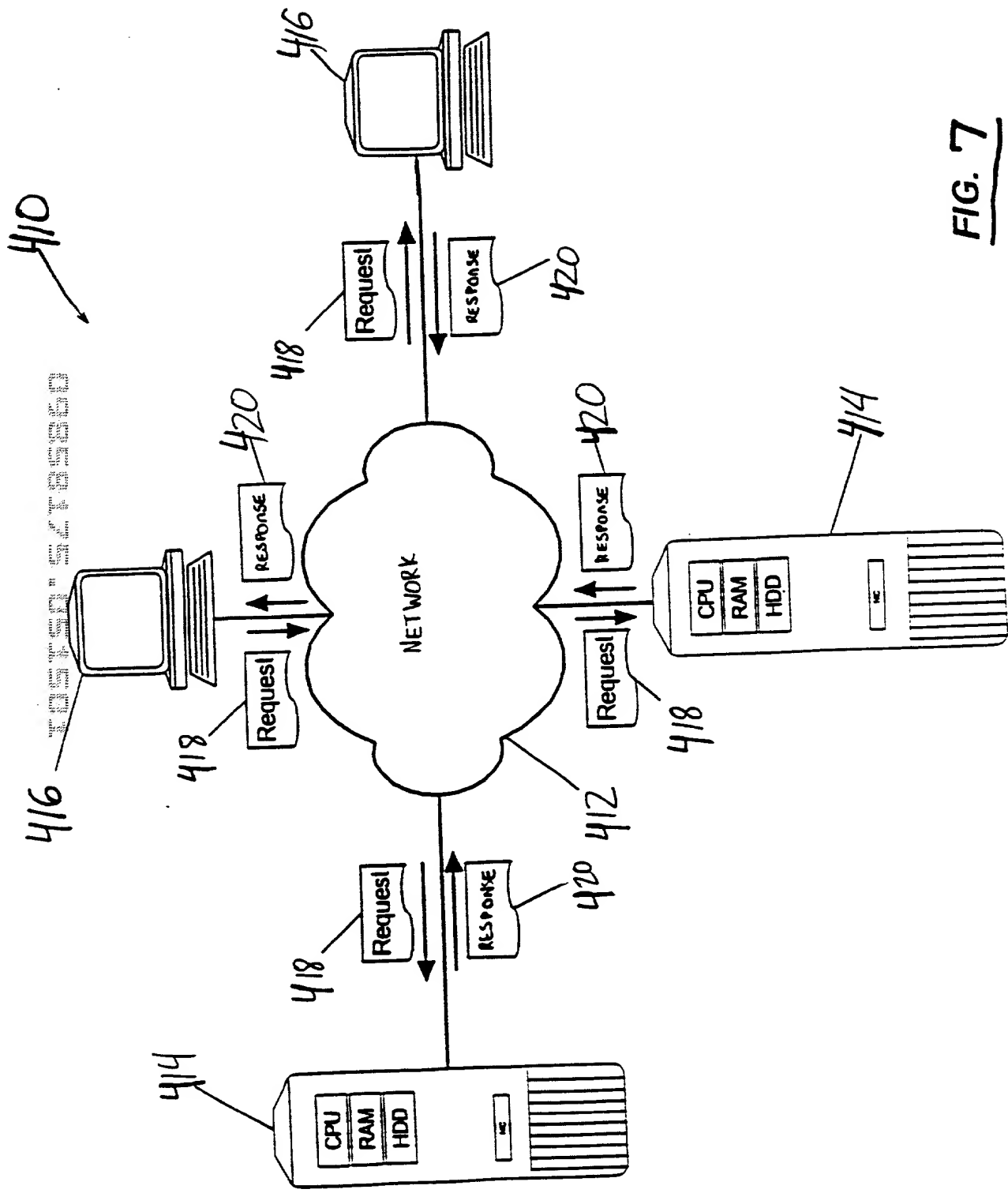


FIG. 7

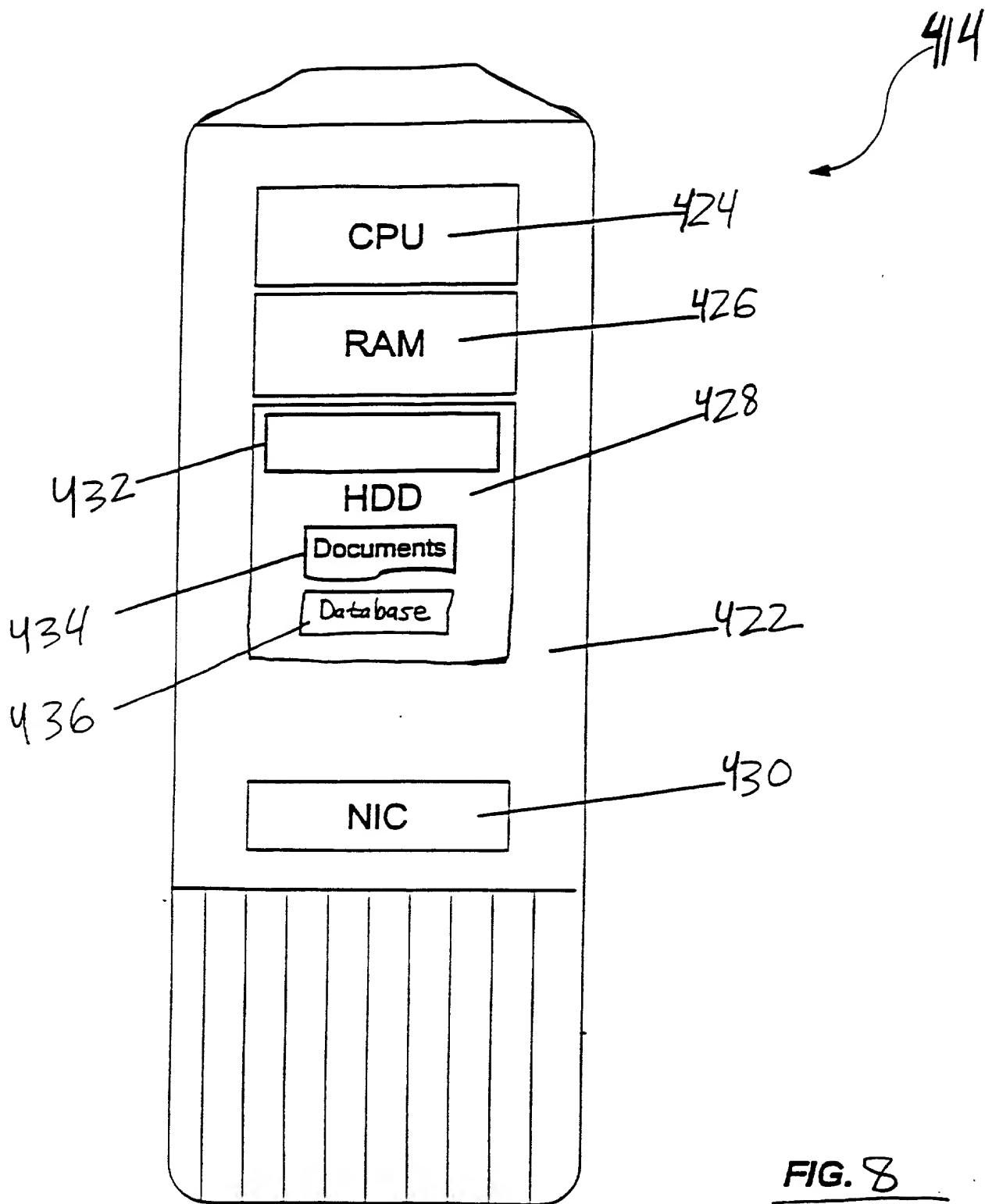
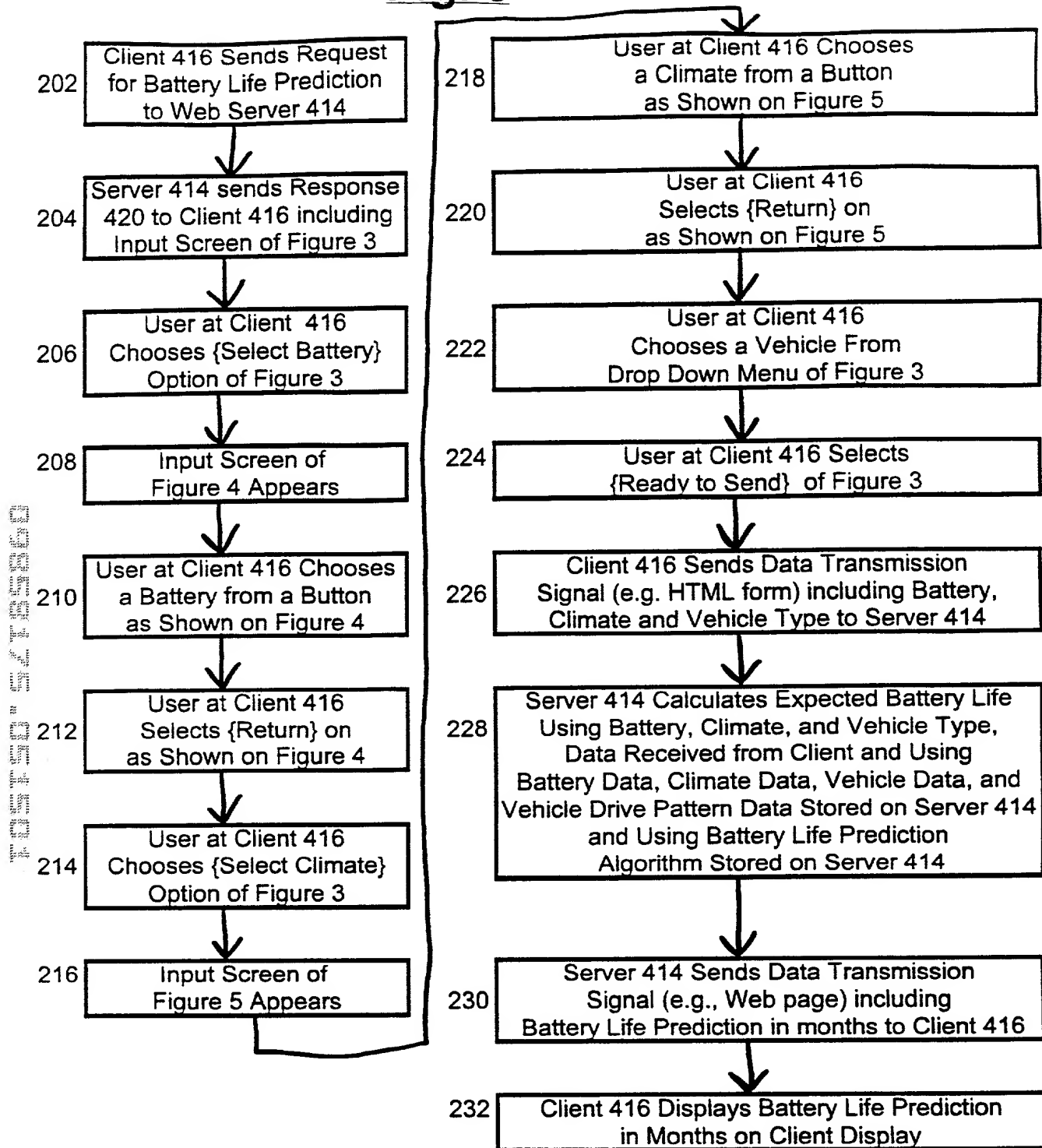


FIG. 8

Fig. 9



Battery Table

Battery #1
Battery #2
Battery #3
Battery #4
Battery #5
Battery #6
Battery #7
Battery #8
Battery #N

301 ↗

Amp Hour Rating
Cold Crank Amps
Grid Alloy
Positive Grid Type
Positive Grid Weight
Positive Grid Wire Thickness
Positive Grid Height
Positive Paste Density
Positive Plate Thickness
Acid Specific Gravity (Charged)
Plate & Separator Compression
Distance of Acid above Element
Clearance above Strap
Negative Expander Type

↖ 301a

Fig. 10

Vehicle

Table

Vehicle #1
Vehicle #2
Vehicle #3
Vehicle #4
Vehicle #N

401 ↗

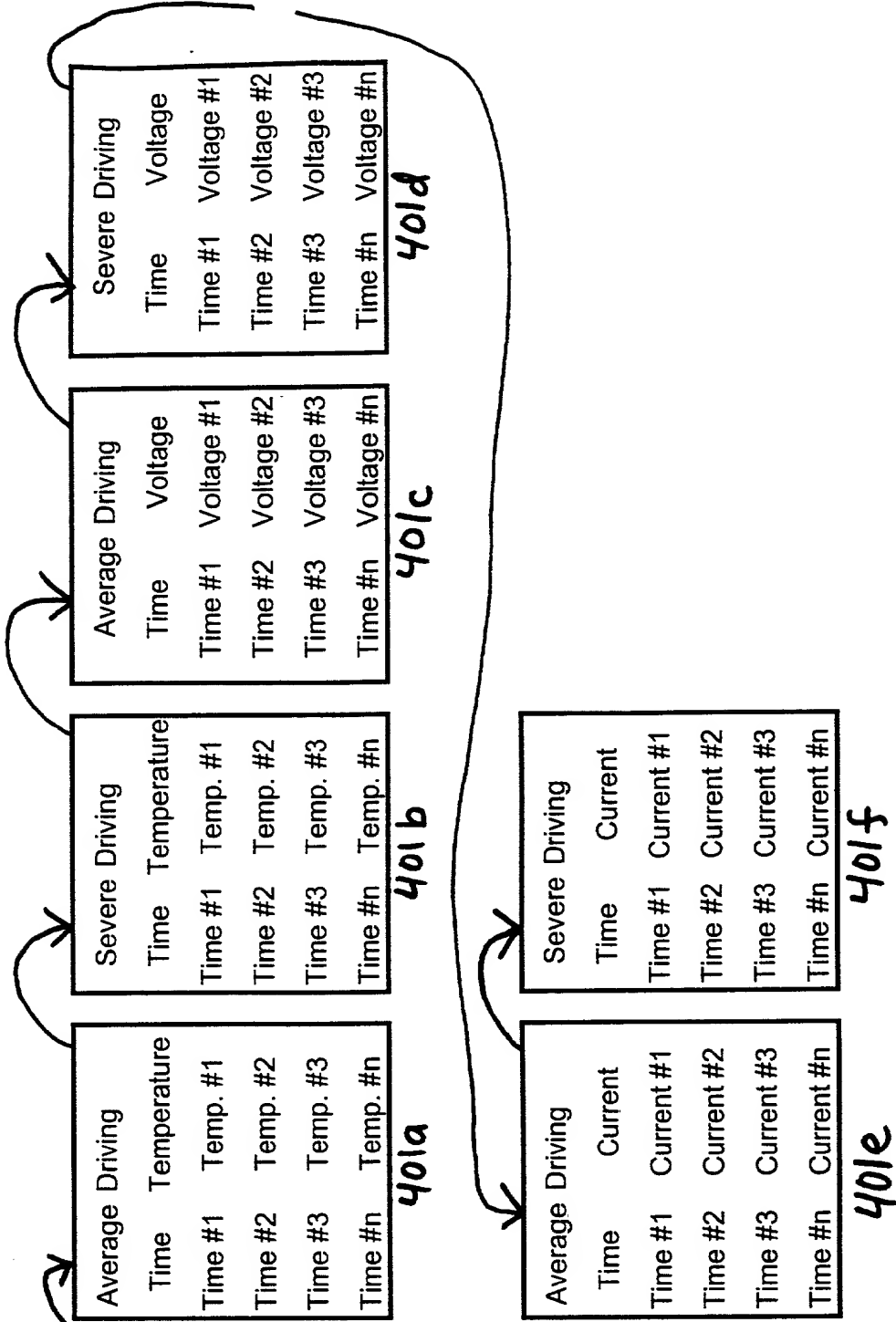


Fig. 11

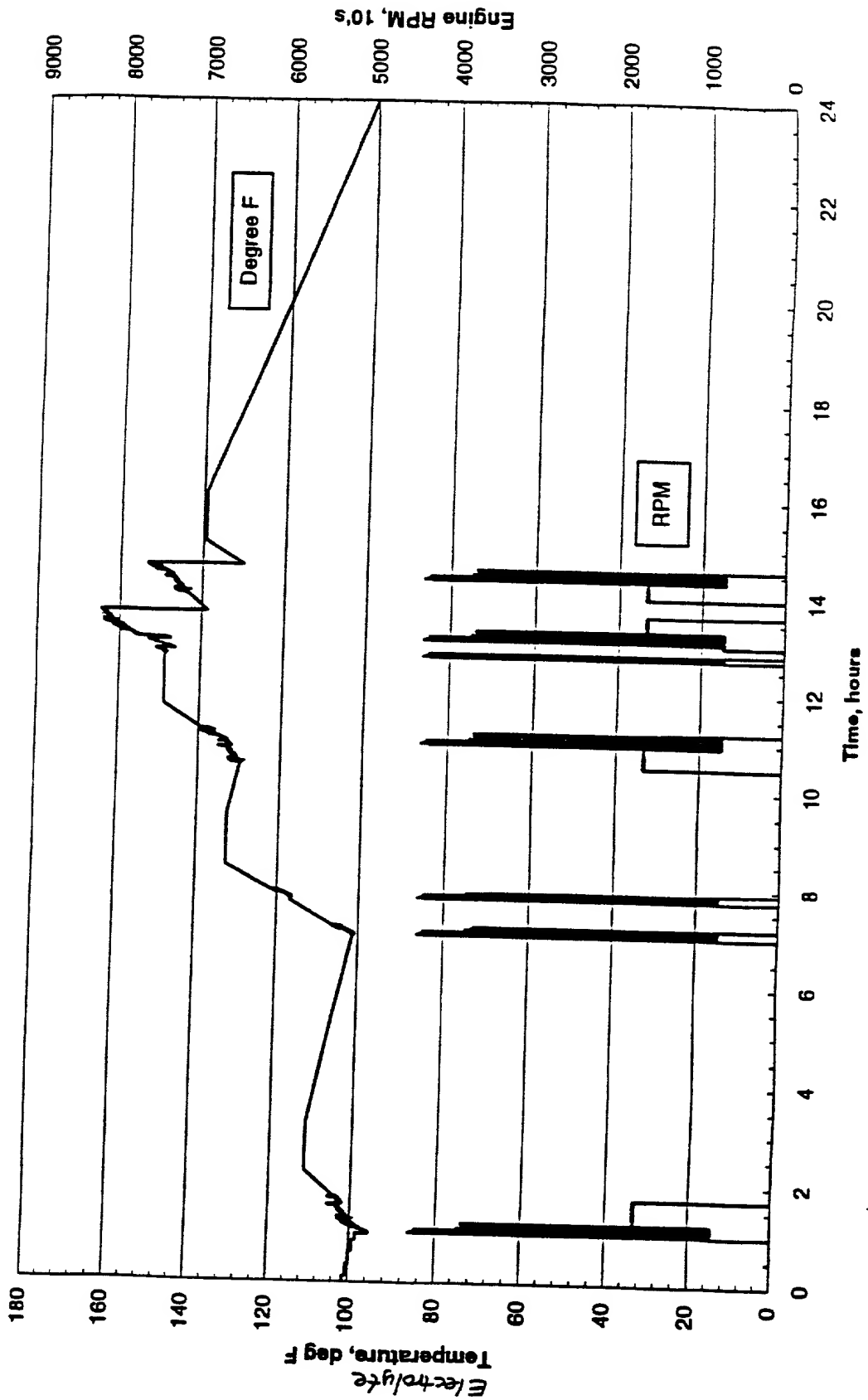
Fig. 12

Degree F



Fig. 13

**Assembled Severe Driver Profile
Battery Temperature vs Time**



Climate Table

Northern
Central
Sunbelt
Desert

501 ↗

Summer
Mean
Temperature

501a

Winter
Mean
Temperature

501b

Spring/Fall
Mean
Temperature

501c

Fig. 14

Fig. 15

